

\$%^STN;HighlightOn= ***;HighlightOff=*** ;

Welcome to STN International! Enter x:x

LOGINID:sssptal65lpxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN
International *****

NEWS 1 Web Page URLs for STN
Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help
around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and
Implementation of a New Subject Area
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search results now available
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NEWS 12 Jul 02 FOREGE no longer contains
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NEWS 15 Jul 30 NETFIRST to be removed from
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NEWS 23 Sep 03 JAPIO has been reloaded and
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8, 2002
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NEWS EXPRESS January 6 CURRENT WINDOWS
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NEWS HOURS STN Operating Hours Plus Help
Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and
Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site
(general information)

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of commercial gateways or other similar uses
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penalties.

***** STN Columbus **

FILE 'HOME' ENTERED AT 11:38:13 ON 14 JAN 2003

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS
SINCE FILE TOTAL

ENTRY SESSION
FULL ESTIMATED COST
0.21 0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,
AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
BIOCOMMERCE, BIOSIS, BIOTECHABS,
BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,

CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI,
CROPB, CROPU, DDFB, DDFU, DGENE,
DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'
ENTERED AT 11:38:23 ON 14 JAN 2003

64 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term
postings or to view
search error messages that display as 0* with
SET DETAIL OFF.

=> s zinc? (4a) potassium? (4a) calcium? (4a)
rubidium

1 FILE ANABSTR
1 FILE AQUASCI
36 FILE BIOSIS
7 FILE CABA
13 FILES SEARCHED...
3 FILE CAPLUS
1 FILE CROPU
5 FILE EMBASE
3 FILE FROSTI
37 FILES SEARCHED...
1 FILE HEALSAFE
5 FILE IFIPAT
4 FILE MEDLINE
1 FILE NIOSHTIC
1 FILE NTIS
1 FILE PASCAL
2 FILE SCISEARCH
9 FILE TOXCENTER
37 FILE USPATFULL
1 FILE USPAT2
62 FILES SEARCHED...
4 FILE WPIDS
4 FILE WPINDEX

20 FILES HAVE ONE OR MORE ANSWERS, 64
FILES SEARCHED IN STNINDEX

L1 QUE ZINC? (4A) POTASSIUM? (4A) CALCIUM?
(4A) RUBIDIUM

=> s l1 (s) (skin? or wound? or heal? or
epiderm? or cutic? or lacerat? or ulcer?)

12 FILES SEARCHED...
23 FILES SEARCHED...
33 FILES SEARCHED...
0* FILE FEDRIP
45 FILES SEARCHED...
50 FILES SEARCHED...
58 FILES SEARCHED...
1 FILE USPATFULL

1 FILES HAVE ONE OR MORE ANSWERS, 64
FILES SEARCHED IN STNINDEX

L2 QUE L1 (S) (SKIN? OR WOUND? OR HEAL? OR
EPIDERM? OR CUTIC? OR LACERAT? OR
ULCER?)

=> s l1 (s) (skin? or wound? or heal? or
epiderm? or cutic? or lacerat? or ulcer? or
topical? or cream? or antisept? or transderm?)

13 FILES SEARCHED...
22 FILES SEARCHED...
30 FILES SEARCHED...

0* FILE FEDRIP
34 FILES SEARCHED...
45 FILES SEARCHED...
55 FILES SEARCHED...
1 FILE USPATFULL

1 FILES HAVE ONE OR MORE ANSWERS, 64
FILES SEARCHED IN STNINDEX

L3 QUE L1 (S) (SKIN? OR WOUND? OR HEAL? OR
EPIDERM? OR CUTIC? OR LACERAT? OR
ULCER? OR TOPICAL? OR CREAM? OR
ANTISEPT? OR TRANSDERM?)

=>
Connection closed by remote host

Welcome to STN International! Enter x:x

LOGINID:sssptal65lpxp

PASSWORD:
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 (general information)

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 * * * * *

Welcome to STN International! Enter x:x

LOGINID:sssptal65lpxp

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL
 * * * * *
 SESSION RESUMED IN FILE 'HOME' AT 13:48:39 ON
 17 JAN 2003
 FILE 'HOME' ENTERED AT 13:48:39 ON 17 JAN 2003
 COST IN U.S. DOLLARS
 SINCE FILE TOTAL

ENTRY SESSION
 FULL ESTIMATED COST
 0.21 0.21

=> index bioscience napralert

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
 COST IN U.S. DOLLARS
 SINCE FILE TOTAL

ENTRY SESSION
 FULL ESTIMATED COST
 0.21 0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,
 AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
 BIOCOMMERCE, BIOSIS, BIOTECHABS,
 BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,
 CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI,
 CROPB, CROPU, DDFB, DDFU, DGENE,
 DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'
 ENTERED AT 13:49:03 ON 17 JAN 2003

65 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term
 postings or to view
 search error messages that display as 0* with
 SET DETAIL OFF.

=> s (ca? or calcium) (s) (kcl or kpo? or
 potassium?) (s) (zn? or zinc?) (s) (rubidium
 or rb?)

5 FILE AGRICOLA
 4 FILES SEARCHED...
 9 FILE ANABSTR
 12 FILE AQUASCI
 6 FILES SEARCHED...
 2 FILE BIOBUSINESS
 7 FILES SEARCHED...
 116 FILE BIOSIS
 9 FILES SEARCHED...
 3 FILE BIOTECHABS
 10 FILES SEARCHED...
 3 FILE BIOTECHDS
 5 FILE BIOTECHNO
 12 FILES SEARCHED...
 32 FILE CABA
 13 FILES SEARCHED...
 4 FILE CANCERLIT
 14 FILES SEARCHED...
 87 FILE CAPLUS
 1 FILE CEABA-VTB
 16 FILES SEARCHED...
 18 FILES SEARCHED...
 1 FILE CROPU
 24 FILES SEARCHED...
 3 FILE DRUGU

```

34 FILE EMBASE
32 FILES SEARCHED...
8 FILE ESBIOBASE
33 FILES SEARCHED...
1* FILE FEDRIP
12 FILE FROSTI
37 FILES SEARCHED...
3 FILE FSTA
0* FILE GENBANK
39 FILES SEARCHED...
1 FILE HEALSAFE
282 FILE IFIPAT
9 FILE JICST-EPLUS
42 FILES SEARCHED...
12 FILE LIFESCI
44 FILES SEARCHED...
35 FILE MEDLINE
46 FILES SEARCHED...
17 FILE NIOSHTIC
30 FILE NTIS
48 FILES SEARCHED...
3 FILE OCEAN
0* FILE PASCAL
50 FILES SEARCHED...
54 FILES SEARCHED...
5 FILE PROMT
55 FILES SEARCHED...
55 FILE SCISEARCH
56 FILES SEARCHED...
37 FILE TOXCENTER
58 FILES SEARCHED...
0* FILE USPTFULL
17 FILE USPAT2
60 FILES SEARCHED...
1 FILE VETB
2 FILE VETU
0* FILE WPIDS
0* FILE WPINDEX
64 FILES SEARCHED...

=> s 11 (s) (topical? or skin? or epiderm? or
ulcer? or lacerat? or cut? or scrape? or heal?
or wound?)

```

L1 NOT FOUND

The L-number entered could not be found. To see the definition of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> index bioscience napralert

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS
SINCE FILE TOTAL

ENTRY	SESSION
FULL ESTIMATED COST	
24.75	24.96

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'

ENTERED AT 14:16:13 ON 17 JAN 2003

65 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s 11

L1 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s (ca? or calcium) (s) (kcl or kpo? or potassium?) (s) (zn? or zinc?) (s) (rubidium or rb?)

```

5 FILE AGRICOLA
4 FILES SEARCHED...
9 FILE ANABSTR
12 FILE AQUASCI
6 FILES SEARCHED...
2 FILE BIOBUSINESS
7 FILES SEARCHED...
116 FILE BIOSIS
9 FILES SEARCHED...
3 FILE BIOTECHABS
10 FILES SEARCHED...
3 FILE BIOTECHDS
11 FILES SEARCHED...
5 FILE BIOTECHNO
12 FILES SEARCHED...
32 FILE CABA
13 FILES SEARCHED...
4 FILE CANCERLIT
14 FILES SEARCHED...
87 FILE CAPLUS
1 FILE CEABA-VTB
16 FILES SEARCHED...
18 FILES SEARCHED...
1 FILE CROPU
24 FILES SEARCHED...
3 FILE DRUGU
34 FILE EMBASE
32 FILES SEARCHED...
8 FILE ESBIOBASE
33 FILES SEARCHED...
1* FILE FEDRIP
12 FILE FROSTI
37 FILES SEARCHED...
3 FILE FSTA
0* FILE GENBANK
39 FILES SEARCHED...
1 FILE HEALSAFE
282 FILE IFIPAT
41 FILES SEARCHED...
9 FILE JICST-EPLUS
43 FILES SEARCHED...
12 FILE LIFESCI
44 FILES SEARCHED...
35 FILE MEDLINE
46 FILES SEARCHED...
17 FILE NIOSHTIC
30 FILE NTIS
48 FILES SEARCHED...
3 FILE OCEAN
0* FILE PASCAL
50 FILES SEARCHED...
54 FILES SEARCHED...

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5 FILE PROMT
55 FILES SEARCHED...
55 FILE SCISEARCH
56 FILES SEARCHED...
37 FILE TOXCENTER
58 FILES SEARCHED...
0* FILE USPATFULL
17 FILE USPAT2
60 FILES SEARCHED...
1 FILE VETB
2 FILE VETU
0* FILE WPIDS
0* FILE WPINDEX

=>
Connection closed by remote host

Welcome to STN International! Enter x:x

LOGINID:sssptal65lpxp

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN
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* * * * * STN Columbus * *
* * * * *

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FILE 'HOME' ENTERED AT 15:37:28 ON 17 JAN 2003

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS
SINCE FILE TOTAL

ENTRY SESSION
FULL ESTIMATED COST
0.21 0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,
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DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'
ENTERED AT 15:37:45 ON 17 JAN 2003

64 FILES IN THE FILE LIST IN STNINDEX

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SET DETAIL OFF.

=> s (rb? or rubidium?) (s) (ca? or calcium?)
(s) (kcl or potassium?) (s) (zn? or zinc?)

5 FILE AGRICOLA
4 FILES SEARCHED...
9 FILE ANABSTR
12 FILE AQUASCI
6 FILES SEARCHED...
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116 FILE BIOSIS
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3 FILE BIOTECHABS
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5 FILE BIOTECHNO
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32 FILE CABA
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4 FILE CANCERLIT
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=> s ll and topic?

L1 NOT FOUND
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see the definition
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arrow prompt (=>).

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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* * * * * STN Columbus * *

FILE 'HOME' ENTERED AT 14:22:18 ON 21 JAN 2003

=> index bioscience

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=> s (zn? or zinc) (s) (ca? or calcium) (s) (rubidium or rb?) (s) (kcl or potassium)

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 30 FILE NTIS
 48 FILES SEARCHED...
 3 FILE OCEAN
 0* FILE PASCAL
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 54 FILES SEARCHED...
 5 FILE PROMT
 55 FILES SEARCHED...
 55 FILE SCISEARCH
 56 FILES SEARCHED...
 37 FILE TOXCENTER
 58 FILES SEARCHED...
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 0* FILE WPIDS
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 enhanced
 NEWS 24 Sep 16 Experimental properties
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 (NUTRACEUT) now available on STN
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 8, 2002
 NEWS 31 Nov 18 DKILIT has been renamed
 APOLLIT
 NEWS 32 Nov 25 More calculated properties
 added to REGISTRY
 NEWS 33 Dec 02 TIBKAT will be removed from
 STN
 NEWS 34 Dec 04 CSA files on STN
 NEWS 35 Dec 17 PCTFULL now covers WP/PCT
 Applications from 1978 to date
 NEWS 36 Dec 17 TOXCENTER enhanced with
 additional content

NEWS 37 Dec 17 Adis Clinical Trials Insight
now available on STN
NEWS 38 Dec 30 ISMEC no longer available
NEWS 39 Jan 13 Indexing added to some pre-
1967 records in CA/CAPLUS

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V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS
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FILE 'HOME' ENTERED AT 15:04:45 ON 21 JAN 2003

=> fil biosis medline caplus napralert

COST IN U.S. DOLLARS
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FULL ESTIMATED COST
0.21 0.21

FILE 'BIOSIS' ENTERED AT 15:04:54 ON 21 JAN
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2003

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=> s (ca? or calcium) (s) (zn? or zinc) (s)
(kcl? or potassium) (s) (rb? or rubidium)

1 FILES SEARCHED...

2 FILES SEARCHED...

L1 244 (CA? OR CALCIUM) (S) (ZN? OR
ZINC) (S) (KCL? OR POTASSIUM) (S)
(RB? OR RUBIDIUM)

=> dup rem l1

PROCESSING COMPLETED FOR L1
L2 213 DUP REM L1 (31 DUPLICATES
REMOVED)

=> s l2 and (skin? or topical? or epiderm? or
wound?)

L3 3 L2 AND (SKIN? OR TOPICAL? OR
EPIDERM? OR WOUND?)

=> d l3 l- all

YOU HAVE REQUESTED DATA FROM 3 ANSWERS -
CONTINUE? Y/(N):y

L3 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2003
BIOLOGICAL ABSTRACTS INC.
AN 2001:271153 BIOSIS
DN PREV200100271153
TI Compositions of oak bark extract related
synthetic compositions and method
of using same.
AU Hon, David N.-S (1); Stanley, R. Thomas
CS (1) Clemson, SC USA
ASSIGNEE: Greystone Medical Group, Inc.,
Memphis, TN, USA
PI US 6149947 November 21, 2000
SO Official Gazette of the United States
Patent and Trademark Office Patents,
(Nov. 21, 2000) Vol. 1240, No. 3, pp. No
Pagination. e-file.
ISSN: 0098-1133.
DT Patent
LA English
AB Higher concentrations of oak bark ash
extract, i.e., greater than 20% by
weight, are useful for the treatment of
skin ***cancers*** .
Lower concentrations of oak bark extract
possess additional therapeutic
properties not heretofore recognized. For
example, preparations containing
40-80% oak bark extract are useful in the
treatment of acute
cancerous ***skin***
ulcers. In addition, synthetic mixtures
containing ***potassium*** ions,
zinc ions, ***calcium***
ions provide many of the same
advantageous properties of oak bark extract.
The inclusion of ***rubidium*** ions
and sulfur is also advantageous
for some applications.
NCL 424641000
IT Major Concepts

Methods and Techniques; Pharmacognosy
(Pharmacology)
IT Diseases
 skin cancer: integumentary
system disease, neoplastic disease
IT Chemicals & Biochemicals
 oak bark ash extract: antineoplastic -
drug
IT Alternate Indexing
 Skin Neoplasms (MeSH)

L3 ANSWER 2 OF 3 BIOSIS COPYRIGHT 2003
BIOLOGICAL ABSTRACTS INC.
AN 1987:190873 BIOSIS
DN BA83:98997
TI COMPARISON OF DISTRIBUTION OF TRACE AND
OTHER ELEMENTS IN HEART AND
SKELETAL MUSCLE AND SERUM IN RATS BEARING
A TRANSPLANTABLE FIBROSARCOMA.
AU LARSSON S; KARLBERG I; PETERSSON H-I;
SELIN E
CS LAB. BIORHEOL., DEP. SURG. I, SAHLGREN'S
UNIV. HOSP., S-413 45 GÖTEBORG,
SWEDEN.
SO TRACE ELEM MED, (1986) 3 (1), 5-10.
CODEN: TEMDE6.
FS BA; OLD
LA English
AB ***Cancer*** ***cachexia*** is a
potential feature of all
malignant diseases. The reason for this
wasting of peripheral tissue is
not yet fully understood, but anorexia
and decreased food intake as well
as pathologic energy production due to
recycling of glucose and glucose
precursors from peripheral tissues have
all been implicated. Specimens
from serum and from normal skeletal and
heart muscle tissue were taken
from Lister rats bearing a transplantable
intramuscular
methylcholanthrene-induced fibrosarcoma
during an early phase of tumor
disease when no anorexia was apparent.
These specimens were studied by
energy dispersive x-ray fluorescence
spectrometry to obtain a quantitative
evaluation of trace element
concentrations. We found an increased
concentration of iron and copper in serum
during tumor growth whereas
heart muscle showed an associated
decrease of these ions. In skeletal
muscle no such decrease of iron content
occurred. ***Zinc***, a factor
of major importance in ***wound***
healing, decreased in serum and
increased in skeletal and heart muscle
tissue. Selenium decreased in serum
during tumor growth and increased in
heart muscle. In skeletal muscle the
selenium content was below the limits of
detection. Correlations between
the various elements were also studied.
Some of these included ions with
few known effects, suggesting a
significant biological role. Strong
correlations were found for the
distribution of chlorine and bromine as

well as for ***potassium*** and
rubidium. In these
correlations copper appeared to have
kinetic properties different from
the other trace elements. Deterioration
of heart muscle function,
decreased heart muscle protein synthesis
and decreased numbers of
myofibrils in hearts from tumor-bearing
rats have been shown elsewhere.
The decreased content of iron found in
this study is consistent with a
decrease in contractile proteins in
hearts from tumor-bearing rats. The
redistribution of ***zinc*** that was
found from serum to skeletal
muscle may be part of a defense
mechanism secondary to the
cachetic reaction. Ions with
known significance for heart muscle
performance, e.g. ***potassium*** and
calcium, were not
significantly changed in hearts from
tumor-bearing compared to
non-tumor-bearing rats.
CC Biochemical Studies - Proteins, Peptides
and Amino Acids 10064
Biochemical Studies - Minerals 10069
Metabolism - Minerals *13010
Metabolism - Proteins, Peptides and Amino
Acids *13012
Metabolism - Metabolic Disorders *13020
Nutrition - Malnutrition; Obesity *13203
Nutrition - Minerals *13206
Cardiovascular System - Heart Pathology
*14506
Blood, Blood-Forming Organs and Body
Fluids - Blood and Lymph Studies
*15002
Muscle - Pathology *17506
Bones, Joints, Fasciae, Connective and
Adipose Tissue - Pathology *18006
Neoplasms and Neoplastic Agents -
Pathology; Clinical Aspects; Systemic
Effects *24004
Neoplasms and Neoplastic Agents -
Biochemistry *24006
BC Muridae 86375
IT Miscellaneous Descriptors
CANCER CACHEXIA MALNUTRITION PROTEIN
SYNTHESIS

L3 ANSWER 3 OF 3 BIOSIS COPYRIGHT 2003
BIOLOGICAL ABSTRACTS INC.
AN 1985:407511 BIOSIS
DN BA80:77503
TI ***SKIN*** PENETRATION OF MINERALS IN
PSORIATICS AND GUINEA-PIGS
BATHING IN HYPERTONIC SALT SOLUTIONS.
AU SHANI J; BARAK S; LEVI D; RAM M;
SCHACHNER E R; SCHLESINGER T; ROBBERECHT
H; VAN GRIEKEN R; AVRACH W W
CS DEPARTMENT OF PHARMACOL., HEBREW
UNIVERSITY SCHOOL OF PHARMACY, POB 12065,
JERUSALEM.
SO PHARMACOL RES COMMUN, (1985) 17 (6), 501-
512.
CODEN: PLRCAT. ISSN: 0031-6989.
FS BA; OLD
LA English

AB Penetration of electrolytes through the human ***skin*** was measured in healthy volunteers and in psoriatic patients after bathing in the Dead-Sea or in simulated bath-salt solutions. Significant increases in the levels of serum Br, Rb, Ca and Zn were noticed only in the psoriatic patients after daily bathing in the Dead-Sea for a 4-wk regimen.

Guinea-pigs bathed in simulated Dead-Sea bath-salt solutions containing radionuclides of Ca, Mg, K and Br. Traces of each radionuclide were detected in the blood and in some internal organs after 60 min of bathing. The radionuclides showed a physiological pattern in their organ distribution. Even though the whole investigation was carried out in hypertonic solutions, there is a definite penetration of salts through healthy (human and guinea-pigs) and damaged (psoriatic) ***epidermis***.

. Improvement of the psoriatic condition after bathing in the Dead-Sea may be partly attributed (in addition to UV irradiation) to the minerals' effect on the psoriatic ***skin***.

CC Radiation - Radiation and Isotope Techniques 06504

Biochemical Studies - Minerals *10069

External Effects - Light and Darkness 10604

Physiology, General and Miscellaneous - Exercise and Physical Therapy *12010

Pathology, General and Miscellaneous - Therapy *12512

Blood, Blood-Forming Organs and Body Fluids - Blood and Lymph Studies 15002

Integumentary System - Pathology *18506

BC Hominidae 86215

Caviidae 86300

IT Miscellaneous Descriptors

HUMAN BROMINE ***RUBIDIUM***

CALCIUM ***ZINC***

CALCIUM MAGNESIUM

POTASSIUM DEAD SEA

RN 7439-95-4 (MAGNESIUM)

7440-09-7 (POTASSIUM)

7440-17-7 (RUBIDIUM)

7440-66-6 (ZINC)

7440-70-2 (CALCIUM)

7726-95-6 (BROMINE)